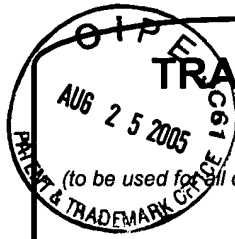


Please type a plus sign (+) inside this box → +



# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/790,750
Filing Date	March 3, 2004
Inventor(s)	Dong-Woo CHO et al.
Group Art Unit	2125
Examiner Name	Sean P. Shechtman
Attorney Docket Number	80800-000111/US

## ENCLOSURES (check all that apply)

☒ Fee Transmittal Form☒ Fee Attached☒ Amendment☒ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☐ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Response to Missing Parts/Incomplete Application☐ Response to Missing Parts under 37 CFR 1.52 or 1.53☐ Assignment Papers  
(for an Application)☐ Letter to the Official Draftsperson and  
\_\_\_\_ Sheets of Formal Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a  
Provisional Application☐ Power of Attorney, Revocation  
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) \_\_\_\_☐ After Allowance Communication to  
Group☐ LETTER SUBMITTING APPEAL  
BRIEF AND APPEAL BRIEF (w/clean  
version of pending claims)☐ Appeal Communication to Group  
(Notice of Appeal, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☐ Other Enclosure(s)  
(please identify below):

Remarks

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm  
or  
Individual name

Harness, Dickey &amp; Pierce, P.L.C.

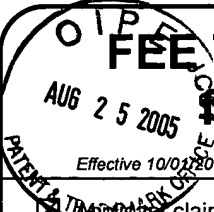
Attorney Name  
Terry L. ClarkReg. No.  
32,644

Signature

Date

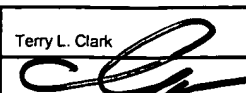
August 25, 2005

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center; margin-right: 10px;">  </div> <div> <h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">for FY 2005</h3> <p style="font-size: small; margin: 5px 0;">Effective 10/01/2004. Patent fees are subject to annual revision.</p> <p><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> </div> </div>		<b>Complete If Known</b>	
Application Number		10/790,750	
Filing Date		March 3, 2004	
First Named Inventor		Dong-Woo CHO et al.	
Examiner Name		Sean P. Shechtman	
Art Unit		2125	
TOTAL AMOUNT OF PAYMENT (\$)		100	
Attorney Docket No.		80800-000111/US	

<b>METHOD OF PAYMENT (check all that apply)</b> <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: <div style="margin-top: 5px;">             Deposit Account Number: <span style="border: 1px solid black; padding: 2px 20px;">08-0750</span>              Deposit Account Name: <span style="border: 1px solid black; padding: 2px 40px;">Harness, Dickey &amp; Pierce, PLC</span> </div> <p style="font-size: small;">The Director is authorized to: (check all that apply)  <input type="checkbox"/> Charge fee(s) indicated below   <input checked="" type="checkbox"/> Credit any overpayments  <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application  <input type="checkbox"/> Charge fee(s) indicated below, <b>except for the filing fee</b> to the above-identified deposit account.</p>				<b>FEE CALCULATION (continued)</b> <b>3. ADDITIONAL FEES</b> <div style="display: flex; justify-content: space-between; font-size: small;"> <span>Large Entity</span> <span>Small Entity</span> </div> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>120</td><td>2251</td><td>60</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>450</td><td>2252</td><td>225</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>1020</td><td>2253</td><td>510</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,590</td><td>2254</td><td>795</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,160</td><td>2255</td><td>1080</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>500</td><td>2401</td><td>250</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>500</td><td>2402</td><td>250</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>1000</td><td>2403</td><td>500</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1452</td><td>500</td><td>2452</td><td>250</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1500</td><td>2453</td><td>750</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1400</td><td>2501</td><td>700</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>800</td><td>2502</td><td>400</td><td>Design issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17 (q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>790</td><td>2809</td><td>395</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>790</td><td>2810</td><td>395</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>790</td><td>2801</td><td>395</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td colspan="6">Other fee (specify) _____</td></tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td><b>SUBTOTAL (3)</b></td> <td>(\$)0</td> </tr> </tbody> </table>				Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	120	2251	60	Extension for reply within first month		1252	450	2252	225	Extension for reply within second month		1253	1020	2253	510	Extension for reply within third month		1254	1,590	2254	795	Extension for reply within fourth month		1255	2,160	2255	1080	Extension for reply within fifth month		1401	500	2401	250	Notice of Appeal		1402	500	2402	250	Filing a brief in support of an appeal		1403	1000	2403	500	Request for oral hearing		1452	500	2452	250	Petition to revive - unavoidable		1453	1500	2453	750	Petition to revive - unintentional		1501	1400	2501	700	Utility issue fee (or reissue)		1502	800	2502	400	Design issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)		1809	790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))		1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))		1801	790	2801	395	Request for Continued Examination (RCE)		Other fee (specify) _____						*Reduced by Basic Filing Fee Paid				<b>SUBTOTAL (3)</b>	(\$)0
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																										
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																											
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																											
1053	130	1053	130	Non-English specification																																																																																																																																																																											
1812	2,520	1812	2,520	For filing a request for reexamination																																																																																																																																																																											
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																											
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																											
1251	120	2251	60	Extension for reply within first month																																																																																																																																																																											
1252	450	2252	225	Extension for reply within second month																																																																																																																																																																											
1253	1020	2253	510	Extension for reply within third month																																																																																																																																																																											
1254	1,590	2254	795	Extension for reply within fourth month																																																																																																																																																																											
1255	2,160	2255	1080	Extension for reply within fifth month																																																																																																																																																																											
1401	500	2401	250	Notice of Appeal																																																																																																																																																																											
1402	500	2402	250	Filing a brief in support of an appeal																																																																																																																																																																											
1403	1000	2403	500	Request for oral hearing																																																																																																																																																																											
1452	500	2452	250	Petition to revive - unavoidable																																																																																																																																																																											
1453	1500	2453	750	Petition to revive - unintentional																																																																																																																																																																											
1501	1400	2501	700	Utility issue fee (or reissue)																																																																																																																																																																											
1502	800	2502	400	Design issue fee																																																																																																																																																																											
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																											
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)																																																																																																																																																																											
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																											
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																											
1809	790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																											
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																											
1801	790	2801	395	Request for Continued Examination (RCE)																																																																																																																																																																											
Other fee (specify) _____																																																																																																																																																																															
*Reduced by Basic Filing Fee Paid				<b>SUBTOTAL (3)</b>	(\$)0																																																																																																																																																																										
<b>1. BASIC FILING FEE</b> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1011</td><td>300</td><td>2011</td><td>150</td><td>Utility filing fee</td><td></td></tr> <tr><td>1012</td><td>200</td><td>2012</td><td>100</td><td>Design filing fee</td><td></td></tr> <tr><td>1013</td><td>200</td><td>2013</td><td>100</td><td>Plant filing fee</td><td></td></tr> <tr><td>1014</td><td>300</td><td>2014</td><td>150</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>200</td><td>2005</td><td>100</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="4"><b>SUBTOTAL (1)</b></td> <td></td> <td>(\$)0</td> </tr> </tbody> </table>				Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1011	300	2011	150	Utility filing fee		1012	200	2012	100	Design filing fee		1013	200	2013	100	Plant filing fee		1014	300	2014	150	Reissue filing fee		1005	200	2005	100	Provisional filing fee		<b>SUBTOTAL (1)</b>					(\$)0	<b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b> <table style="width: 100%; font-size: x-small;"> <tr> <td>Total Claims</td> <td>13</td> <td>-20 **</td> <td>=</td> <td>0</td> <td>X</td> <td>25</td> <td>=</td> <td>0</td> </tr> <tr> <td>Independent Claims</td> <td>4</td> <td>-3 **</td> <td>=</td> <td>1</td> <td>X</td> <td>100</td> <td>=</td> <td>100</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>=</td> <td>0</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1202</td><td>50</td><td>2202</td><td>25</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>200</td><td>2201</td><td>100</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>360</td><td>2203</td><td>180</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204</td><td>200</td><td>2204</td><td>100</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>50</td><td>2205</td><td>25</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="4"><b>SUBTOTAL (2)</b></td> <td></td> <td>(\$) 100</td> </tr> </tbody> </table>		Total Claims	13	-20 **	=	0	X	25	=	0	Independent Claims	4	-3 **	=	1	X	100	=	100	Multiple Dependent							=	0	Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1202	50	2202	25	Claims in excess of 20		1201	200	2201	100	Independent claims in excess of 3		1203	360	2203	180	Multiple dependent claim, if not paid		1204	200	2204	100	** Reissue independent claims over original patent		1205	50	2205	25	** Reissue claims in excess of 20 and over original patent		<b>SUBTOTAL (2)</b>					(\$) 100																																																			
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																										
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																												
1011	300	2011	150	Utility filing fee																																																																																																																																																																											
1012	200	2012	100	Design filing fee																																																																																																																																																																											
1013	200	2013	100	Plant filing fee																																																																																																																																																																											
1014	300	2014	150	Reissue filing fee																																																																																																																																																																											
1005	200	2005	100	Provisional filing fee																																																																																																																																																																											
<b>SUBTOTAL (1)</b>					(\$)0																																																																																																																																																																										
Total Claims	13	-20 **	=	0	X	25	=	0																																																																																																																																																																							
Independent Claims	4	-3 **	=	1	X	100	=	100																																																																																																																																																																							
Multiple Dependent							=	0																																																																																																																																																																							
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																										
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																												
1202	50	2202	25	Claims in excess of 20																																																																																																																																																																											
1201	200	2201	100	Independent claims in excess of 3																																																																																																																																																																											
1203	360	2203	180	Multiple dependent claim, if not paid																																																																																																																																																																											
1204	200	2204	100	** Reissue independent claims over original patent																																																																																																																																																																											
1205	50	2205	25	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																											
<b>SUBTOTAL (2)</b>					(\$) 100																																																																																																																																																																										
<b>4. SEARCH/EXAMINATION FEES</b> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1111</td><td>500</td><td>2111</td><td>250</td><td>Utility Search Fee</td><td></td></tr> <tr><td>1112</td><td>100</td><td>2112</td><td>50</td><td>Design Search Fee</td><td></td></tr> <tr><td>1113</td><td>300</td><td>2113</td><td>150</td><td>Plant Search Fee</td><td></td></tr> <tr><td>1114</td><td>500</td><td>2114</td><td>250</td><td>Reissue Search Fee</td><td></td></tr> <tr><td>1311</td><td>200</td><td>2311</td><td>100</td><td>Utility Examination Fee</td><td></td></tr> <tr><td>1312</td><td>130</td><td>2312</td><td>65</td><td>Design Examination Fee</td><td></td></tr> <tr><td>1313</td><td>160</td><td>2313</td><td>80</td><td>Plant Examination Fee</td><td></td></tr> <tr><td>1314</td><td>600</td><td>2314</td><td>300</td><td>Reissue Examination Fee</td><td></td></tr> <tr> <td colspan="4"><b>SUBTOTAL (4)</b></td> <td></td> <td>(\$)0</td> </tr> </tbody> </table>				Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	1111	500	2111	250	Utility Search Fee		1112	100	2112	50	Design Search Fee		1113	300	2113	150	Plant Search Fee		1114	500	2114	250	Reissue Search Fee		1311	200	2311	100	Utility Examination Fee		1312	130	2312	65	Design Examination Fee		1313	160	2313	80	Plant Examination Fee		1314	600	2314	300	Reissue Examination Fee		<b>SUBTOTAL (4)</b>					(\$)0																																																																																																																
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																										
1111	500	2111	250	Utility Search Fee																																																																																																																																																																											
1112	100	2112	50	Design Search Fee																																																																																																																																																																											
1113	300	2113	150	Plant Search Fee																																																																																																																																																																											
1114	500	2114	250	Reissue Search Fee																																																																																																																																																																											
1311	200	2311	100	Utility Examination Fee																																																																																																																																																																											
1312	130	2312	65	Design Examination Fee																																																																																																																																																																											
1313	160	2313	80	Plant Examination Fee																																																																																																																																																																											
1314	600	2314	300	Reissue Examination Fee																																																																																																																																																																											
<b>SUBTOTAL (4)</b>					(\$)0																																																																																																																																																																										

\*\*or number previously paid, if greater; For Reissues, see above

<b>SUBMITTED BY</b>		<b>Complete (if applicable)</b>			
Name (Print/Type)	Terry L. Clark	Registration No. (Attorney/Agent)	32,644	Telephone	(703)668-8000
Signature		Date	August 25, 2005		

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/790,750  
Filing Date: March 3, 2004  
Applicant: Dong-Woo CHO et. al.  
Group Art Unit: 2125  
Examiner: Sean P. Shechtman  
Title: Off-Line Feed Rate Scheduling for Reduction of  
Machining Time and Enhancement of Machining  
Accuracy in CNC Machining  
Attorney Docket: 80800-000111/US

Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314  
**Mail Stop Amendment**

August 25, 2005

**RESPONSE AND AMENDMENT UNDER 37 CFR 1.116**

Sir:

In response to the Office Action mailed May 26, 2005, the following amendments and remarks are respectfully submitted in connection with the above-identified application.

**Amendments to the Claims** begin on page 2 of this Amendment.

**Remarks** begin on page 10 of this Amendment.

08/26/2005 JADD01 00000007 10790750

01 FC:2201

100.00 DP